

NEW RECORD AND RANGE EXTENSION FOR *RHYACOPHILA WALLOWA* (TRICHOPTERA: RHYACOPHILIDAE) FROM ROCKY MOUNTAIN NATIONAL PARK, COLORADO¹

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ABSTRACT: *Rhyacophila wallowa* is reported for the first time from Colorado. This record represents a southeastern extension of the known range of the species. Current state distribution records of *R. wallowa* include OR, CA, WA, MT, ID, WY, UT and CO.

Three adult males of *Rhyacophila wallowa* Denning were collected in Rocky Mountain National Park (RMNP), Larimer County, Colorado, on 3 August 1984. The specific collection site in RMNP was at the confluence of Fall River and Chiquita Creek at an altitude of 2640 m amsl (8660 ft amsl) in T5N, R74W, S11 on the east side of the Continental Divide. The three adults were collected by the author with a standard sweep net at sunset. This is the first reported record of *R. wallowa* from Colorado.

Denning's (1956) holotype male was collected 15 July 1949 from the Wallowa River, Wallowa County, Oregon. Anderson (1976) and Wold (1974) reported several other Oregon sites in addition to some from Washington, Idaho, northern California and northern Wyoming. Wold's (1974) Wyoming record is a single metamorphotype male collected from the Gardner River, Yellowstone National Park, 12 July 1961. Baumann and Unzicker (1981) included *R. wallowa* in their checklist of Trichoptera of Utah, as did Newell and Potter (1973) and Roemhild (1982) of Montana. In Montana Roemhild (1982) commonly found this species in cold alpine streams east and west of the Continental Divide.

The first published record from Colorado represents a southeastern extension of the known range of *R. wallowa*; it also represents the sixteenth species of *Rhyacophila* to be reported from Colorado (Herrmann, Ruiter and Unzicker 1986). Other species of Trichoptera collected simultaneously with *R. wallowa* at the Fall River (RMNP) site included: *Rhyacophila hyalinata* Banks, *Rhyacophila harmstoni* Ross, *Ecclisomyia maculosa* Banks, *Oligophlebodes minuta* (Banks), *Onocosmoecus unicolor* (Banks), *Agrypnia deflata* (Milne) and *Hydropsyche oslari* Banks. Ruiter and Lavigne (1985) stated that little is known about the habits of this species. At the RMNP collection site Fall River is classified as a cold, lower montane, second-order stream and Chiquita Creek as a cold,

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lower montane, first-order stream.

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LITERATURE CITED

- Anderson, N.H. 1976. The distribution and biology of Oregon Trichoptera. Agr. Exp. Sta. Tech. Bull. 134. Oreg. St. Univ., Corvallis.
- Baumann, R.W. and J.D. Unzicker. 1981. Preliminary checklist of Utah caddisflies (Trichoptera). Encyclia 58: 25-29.
- Denning, D.G. 1956. Several new species of western Trichoptera. Pan-Pac. Entomol. 32: 73-80.
- Herrmann, S.J., D.E. Ruiter and J.D. Unzicker. 1986. Distribution and records of Colorado Trichoptera. Southwest. Natur. 31: 421-457.
- Newell, R.L. and D.S. Potter. 1973. Distribution of some Montana caddisflies (Trichoptera). Proc. Mont. Acad. Sci. 33: 12-21.
- Roemhild, G. 1982. The Trichoptera of Montana with distributional and ecological notes. Northwest Sci. 56: 8-13.
- Ruiter, D.E. and R.J. Lavigne. 1985. Distribution of Wyoming Trichoptera. Agr. Exp. Sta. Publ. SM 47. Univ. Wyo., Laramie.
- Wold, J.L. 1974. Systematics of the genus *Rhyacophila* (Trichoptera: Rhyacophilidae) in western North America with special reference to the immature stages. M.S. Thesis, Oreg. St. Univ., Corvallis.